

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP02/01496

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> F25B17/08, B01J20/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> F25B17/08, B01J20/18

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1926-1996	Jitsuyo Shinan Toroku Koho	1996-2002
Kokai Jitsuyo Shinan Koho	1971-2002	Toroku Jitsuyo Shinan Koho	1994-2002

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4637218 A (Dimitar I Tchernev), 20 January, 1987 (20.01.87), Full text & JP 61-502008 A & WO 85/05170 A1	1-41
A	JP 11-137947 A (Ebara Corp.), 25 May, 1999 (25.05.99), Page 2, left column, lines 37 to 43 (Family: none)	1-41
A	JP 6-76203 B2 (Union Carbide Corp.), 28 September, 1994 (28.09.94), Page 1, left column, line 13 to page 2, right column, line 9; page 14, right column, lines 9 to 14 (Family: none)	1-41

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

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"&" document member of the same patent family

Date of the actual completion of the international search  
07 May, 2002 (07.05.02)Date of mailing of the international search report  
21 May, 2002 (21.05.02)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

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